

APPENDIX A

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The following listing of claims will replace all prior listings of claims in this application:

1. (Previously Presented): **Labels A & E** [In a multi-processor computing environment, a method executed by a first processor for allocating resources for use by a plurality of other processors], the method comprising:

Labels A & J [providing a script to the first processor], **Label C** [the first processor being dedicated solely to parsing the script and to the allocation of resources to the plurality of other processors], **Labels B, D & J** [the script containing information related to the resources required by the other processors and when the resources are required in the execution sequence of an application];

Label F [parsing the script to determine the resources required by the plurality of other processors]; and

Label G [dynamically allocating the resources as needed by the plurality of other processors in the execution of the application].

2. – 3. (Cancelled)

4. (Previously Presented): The method of claim 1 wherein the resources include at least one of memory and a matrix configuration.

5. (Cancelled)

6. (Previously Presented): The method of claim 1 **Label K** [wherein the information in the script is the amount of buffer memory needed by a program].

7. (Currently Amended): **Label C** [A method by a dedicated processor] for **Labels A & E** [allocating resources for executing tasks in an application in a multi-processor computing environment], the method comprising:

Labels A & J [providing a script to [[other]] the dedicated processor[[s]]], **Label C** [the dedicated processor being dedicated solely to executing the script and the

allocation of resources to one or more other processors], **Labels B, D and J** [the script containing a ~~map of sequences of the tasks that will occur during an~~ execution sequence of the one or more tasks];

Label F [parsing the script to determine resources required by the other processors based on the map of sequences execution sequence]; and

Label G [allocating the resources immediately prior to execution of each of the tasks to achieve the most efficient execution of all of the tasks].

8. (Original): The method of claim 7 wherein the script is an I/O processor script.

9. (Currently Amended): **Label M** [A predictive resource allocation system] for a **Label N** [multi-processor computing environment having a plurality of processors], comprising:

Label N [a plurality of other processors for executing an application;]

Label G [a dedicated processor dedicated solely to providing resource allocation to the plurality of other processors;]

Labels B & G [a script file containing information related to the resources required by the plurality of processors to execute the application;]

Labels C & D [[[a]] the dedicated processor running the script file and parsing the script to determine the resources required by the ~~first processor~~ other processors]; and

Labels P & G [the dedicated processor dynamically allocating resources at the time they are needed by the plurality of other processors for the execution of the application.]

10. (Cancelled)

11. (Currently Amended): A method for **Labels M & N** [allocating resources for use by a first processor in execution of an application comprising a plurality of tasks in a multi-processor computing environment], the method comprising:

Labels A & J [providing a script to ~~[[a]]~~ the first processor], **Label C** [the first processor being dedicated solely to parsing the script and to allocation of resources to a plurality of other processors], **Labels B, D & J** [the script containing ~~a map of~~ sequences that will occur during an execution sequence of the tasks;]

Labels F & G [parsing the script to determine the ~~map of sequences~~ execution sequence of the tasks for the plurality of other processors to execute the tasks and to determine the resources required by the tasks;] and

Labels P & G [allocating the resources to the processors such that resource allocation is synchronized with when the resources are needed by processors for efficient execution of the application].

12. (Previously Presented): The method of claim 11 wherein **Labels P & G** [allocating the resources to the plurality of other processors in the multi-processor environment further comprises dynamically allocating the resources at the time needed for execution of the tasks].